Oximeter Data Manager

User Manual

Introductions to User

Dear Users,

Thank you very much for purchasing our Wrist Oximeter series products. This manual is intended to assist the user in uploading data from Wrist Oximeter to PC in a safe and effective manner. Please read this manual carefully before running the system, and follow it to operate.

The Manual is published by our company and we have the ultimate right to explain the Manual. No part of this manual may be photocopied or modified without the prior written consent. We reserve the right to improve and amend it at any time without prior notice.

Version of this Manual: Ver1.6

Revised date: April 9, 2010

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This Oximeter Data Manager is application software running on a personal computer with Microsoft Windows operating system, so the user should be acquainted with some knowledge to operate computer.

3502-2290018

Information for Operation

- **Please make sure that the connection between PC and the oximeter is reliable and do not unplug the data cable during uploading at will.**
- **Low battery may interrupt the uploaded data while uploading.**
- **Key button operation is not allowed during uploading, or may affect data uploading.**
- **While installing printer driver, please quit the Oximeter Data Manager software if it's running.**
- **If the operating system of your computer is Windows Vista Operating System, please turn User Account Control off before running Oximeter Data Manager.**

Note:

- Connect/Disconnect data cable to the oximeter gently and carefully, do NOT wring or shake the data cable plug with force to insert into or unplug from data interface port.
- Before updating the Oximeter Data Manager software, please uninstall the previous Oximeter Data Manager procedure, and manually delete all the files in the default folder ("C: \Program Files\Oximeter Data Manager\") or your destination folder for saving Oximeter Data Manager installing file.
- Please set the time in the PC-68A Wrist Oximeter prior to use, refer to Chapter 3.3 for detailed operations.

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1 Overview

1.1 Introduction

The data saved in **Wrist Oximeter** which have been uploaded to PC through data cable can be managed, viewed and analyzed by "Oximeter Data Manager". It is convenient for user to view records and statistical result, and archive patients' data.

1.2 Operating Prerequisite

Requirement for Computer:

Hardware requirement:

PC with Intel Pentium Ⅲ CPU, 800MHz clock or higher; 256MB or higher memory; CD-ROM drive; at least 1GB space available in the hard disk to install Oximeter Data Manager software.

Software requirement:

Microsoft Windows XP, Windows 2000, Windows 7 or Windows Vista Operating System

1.3 Procedure of Data Upload

1. Install "Oximeter Data Manager" software and "USB Driver".
2. Set the resolution of screen display as "1024×768" pixel (best fit), or higher.
3. Connect the Oximeter and computer by data cable (refer to Figure 2-11).
4. Let the oximeter stay in the specified mode (refer to Oximeter User Manual for details).
5. Double-click Oximeter Data Manager icon " " to start running Oximeter Data Manager and on the main menu screen click "Patient Record" to add a new user archive.
6. Click "Data Upload" button to acquire data, and then add the data to user archive for saving.
7. Click "Data Review" button to review and browse records.

Refer to each section for detailed operation.

2 Installation, Connection and Settings

2.1 Installation of Oximeter Data Manager

Insert the CD-ROM which contains the installation software into CD-ROM drive, and the software installation will be automatically running or directly running the programme "setup.exe" in the root directory of CD-ROM drive, then the window of "Oximeter Data Manager Setup" will be prompted on the screen as shown in Figure 2-1.

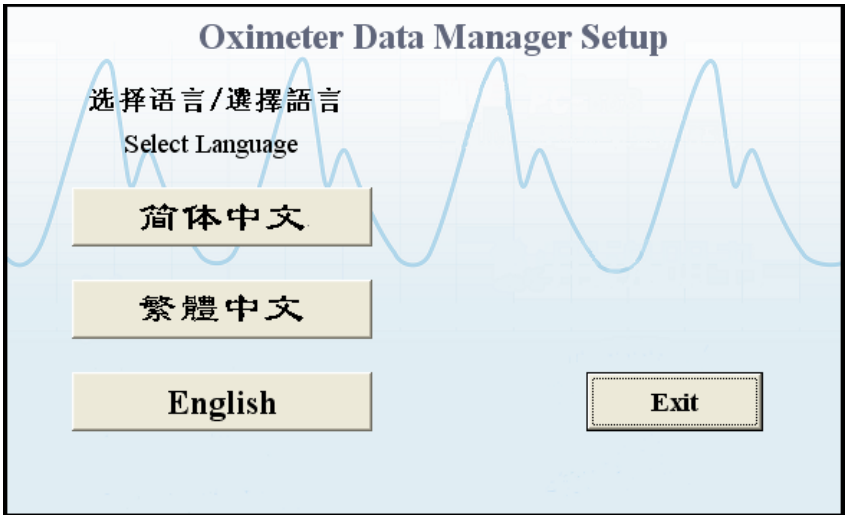


Figure 2-1 Setup Screen

On Oximeter Data Manager Setup screen, firstly click on "English" button to install main programme, and please follow the instruction to install. Installing screens are shown bellow:

Oximeter Data Manager - InstallShield Wizard
Welcome to the InstallShield Wizard for Oximeter Data Manager
The InstallShield(R) Wizard will install Oximeter Data Manager on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

Figure 2-2

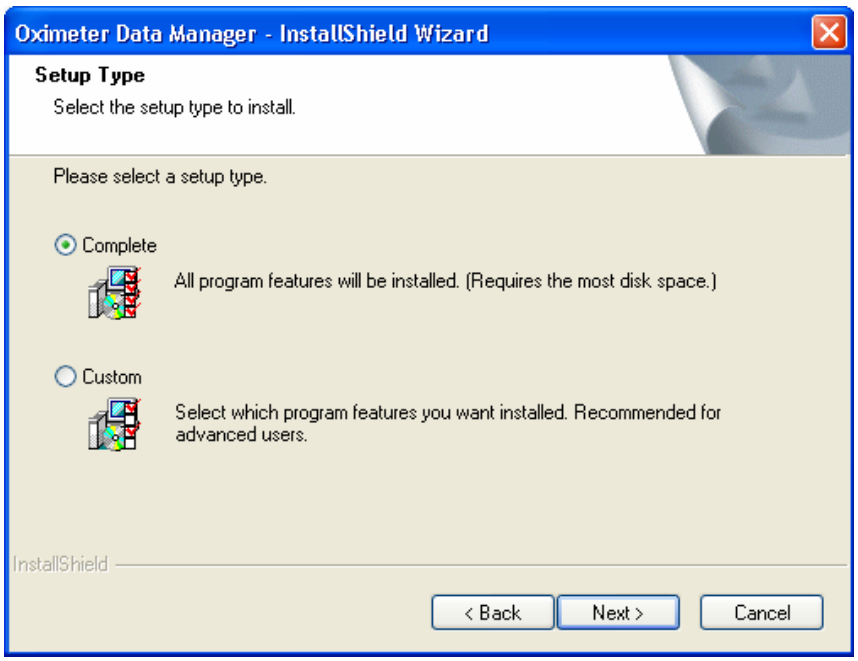

Oximeter Data Manager - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

Figure 2-3

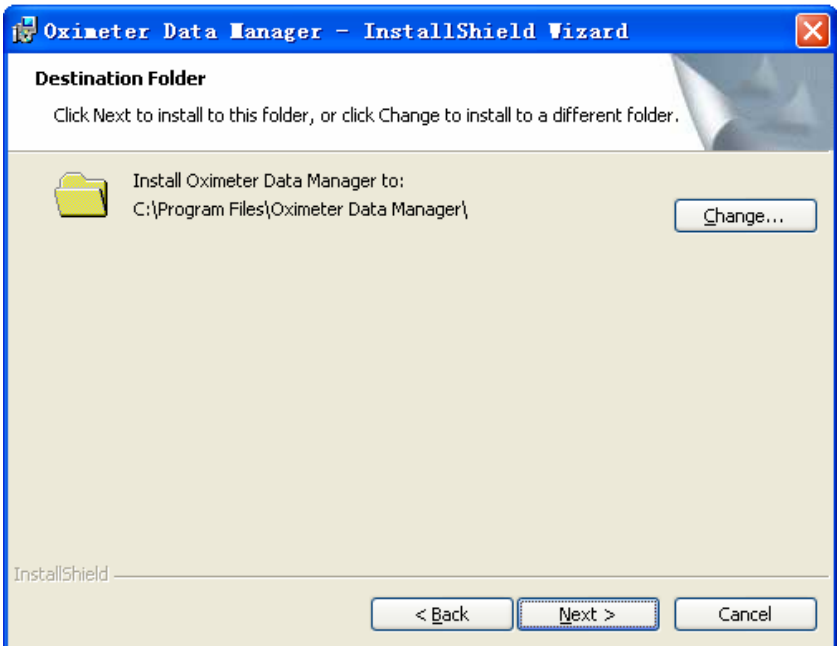

Oximeter Data Manager - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Oximeter Data Manager to:
C:\Program Files\Oximeter Data Manager\
Change...
InstallShield
< Back
Next >
Cancel

Figure 2-4

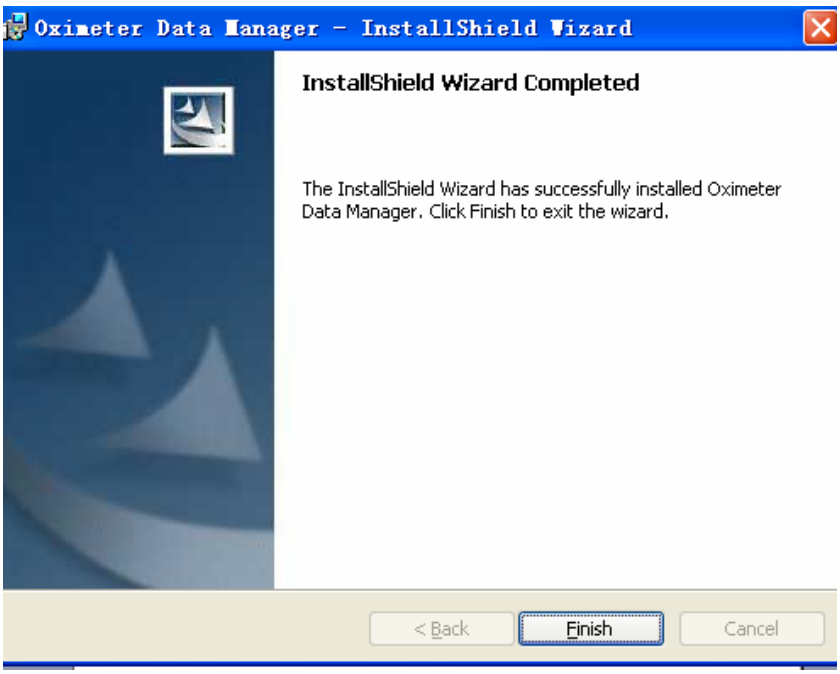

Oximeter Data Manager - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Oximeter Data Manager. Click Finish to exit the wizard.
< Back
Finish
Cancel

Figure 2-5

Note: If user uses default installation, the installation file will be saved in operating system disk "C:\Program Files\Oximeter Data Manager\". If user doesn't want to use default installation, please select "Change" in "Destination Folder" window (as shown in Figure 2-4) to choose destination folder for saving installation file.

2.2 Installation of USB Driver

When clicking the "Finish" button to finish the installation of Oximeter Data Manager, the initial operation of USB driver procedure will run automatically, the initial screen is as shown in the following Figure.

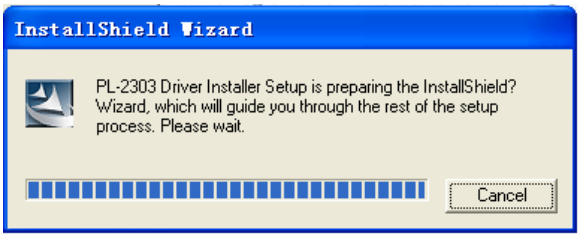

InstallShield Wizard
PL-2303 Driver Installer Setup is preparing the InstallShield? Wizard, which will guide you through the rest of the setup process. Please wait.
Cancel

Figure 2-6

Follow the instructions to install USB Driver, as shown in Figure 2-7, Figure 2-8 and Figure 2-9.

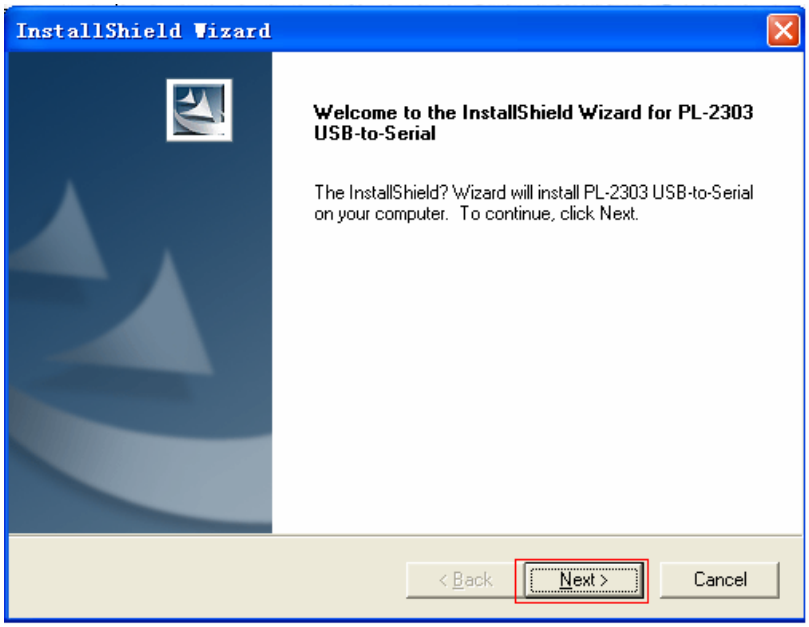

InstallShield Wizard
Welcome to the InstallShield Wizard for PL-2303 USB-to-Serial
The InstallShield? Wizard will install PL-2303 USB-to-Serial on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 2-7

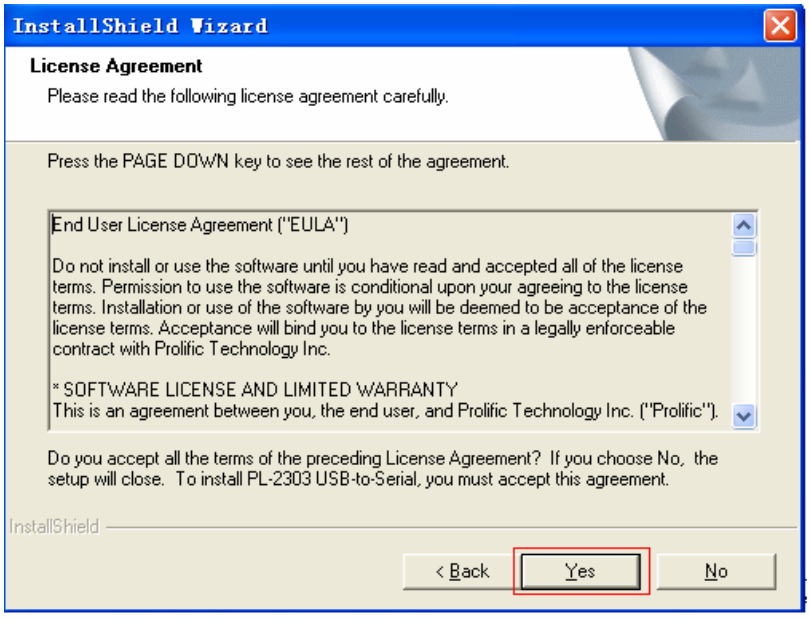

InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
End User License Agreement ("EULA")
Do not install or use the software until you have read and accepted all of the license terms. Permission to use the software is conditional upon your agreeing to the license terms. Installation or use of the software by you will be deemed to be acceptance of the license terms. Acceptance will bind you to the license terms in a legally enforceable contract with Prolific Technology Inc.
* SOFTWARE LICENSE AND LIMITED WARRANTY
This is an agreement between you, the end user, and Prolific Technology Inc. ("Prolific").
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PL-2303 USB-to-Serial, you must accept this agreement.
InstallShield
< Back
Yes
No

Figure 2-8

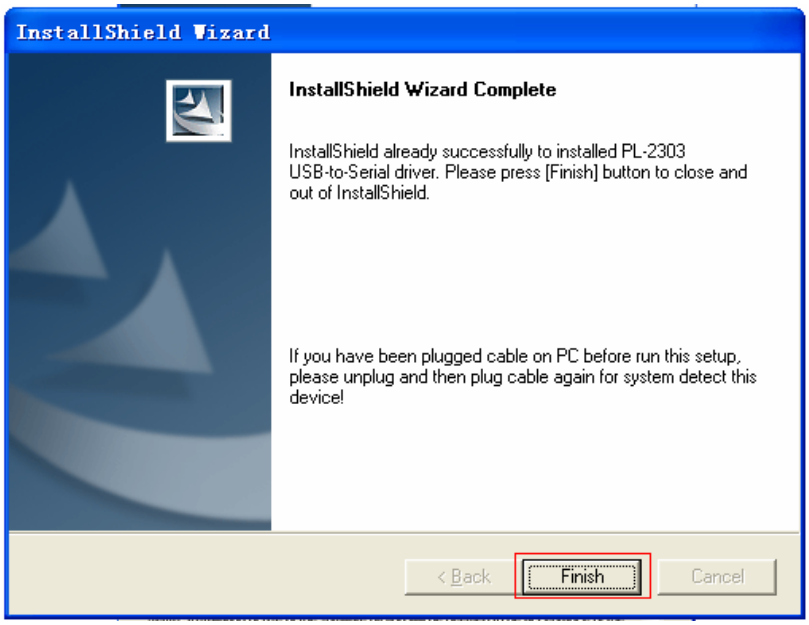

InstallShield Wizard
InstallShield Wizard Complete
InstallShield already successfully to installed PL-2303 USB-to-Serial driver. Please press [Finish] button to close and out of InstallShield.
If you have been plugged cable on PC before run this setup, please unplug and then plug cable again for system detect this device!
< Back
Finish
Cancel

Figure 2-9

2.3 PC Setting

2.3.1 Setting Display Properties

After entering into Windows operating system desktop, click the right key of the mouse, and the desktop springs a quick menu, and then move the cursor to select “Properties”. Choose “Settings” on the “Display Properties” window, then set the “Screen resolution” option as “1024 by 768 pixels”, and set the “Color quality” option as 16bit at least, as shown in Figure 2-10.

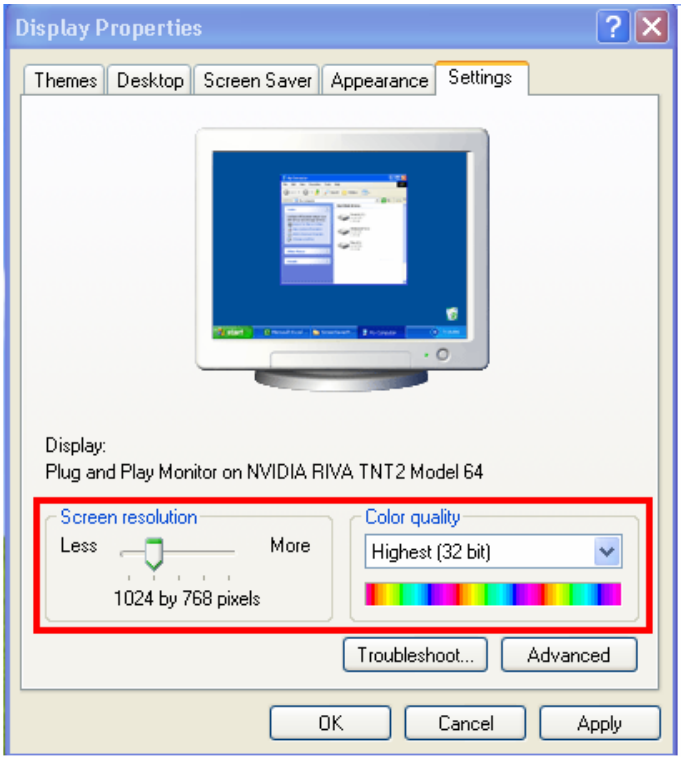


Figure 2-10 Display Properties Setup

2.3.2 Notice for Using “Windows Vista” Operating System

For normal operation of the software, you need to disable "User Accounts Control" (UAC) function by the following steps: “Control Panel → User Accounts→ User Accounts→ Turn User Account Control On or Off” to open the dialogue box (as shown in Figure 2-11), then deselect “Use User Account Control (UAC) to help protect your computer”, finally click on "OK" button.

User Accounts ▸ Turn User Account Control On or Off
Search
Turn on User Account Control (UAC) to make your computer more secure
User Account Control (UAC) can help prevent unauthorized changes to your computer. We recommend that you leave UAC turned on to help protect your computer.
Use User Account Control (UAC) to help protect your computer
OK
Cancel

Figure 2-11

2.3.3 Notice for Using “Windows 7” Operating System

For normal operation of the software, you need to change your account type as “Administrator”. Click “Control Panel → User Accounts and Family Safety→ User Accounts→Change Your Account Type” to open the dialogue box (as shown in Figure 2-12), then select “Administrator” as your new account type., finally click on "Change

Account Type" button.

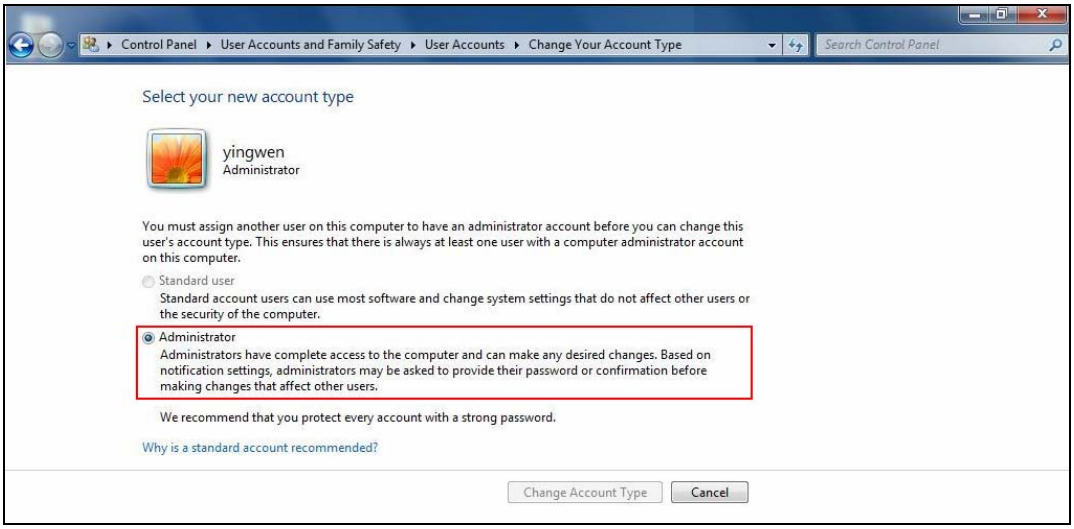

Control Panel ▸ User Accounts and Family Safety ▸ User Accounts ▸ Change Your Account Type
Search Control Panel
Select your new account type
yingwen
Administrator
You must assign another user on this computer to have an administrator account before you can change this user's account type. This ensures that there is always at least one user with a computer administrator account on this computer.
Standard user
Standard account users can use most software and change system settings that do not affect other users or the security of the computer.
Administrator
Administrators have complete access to the computer and can make any desired changes. Based on notification settings, administrators may be asked to provide their password or confirmation before making changes that affect other users.
We recommend that you protect every account with a strong password.
Why is a standard account recommended?
Change Account Type
Cancel

Figure 2-12

2.4 Device Connection

After installing Oximeter Data Manager, refer to Figure 2-13 to perform connection:

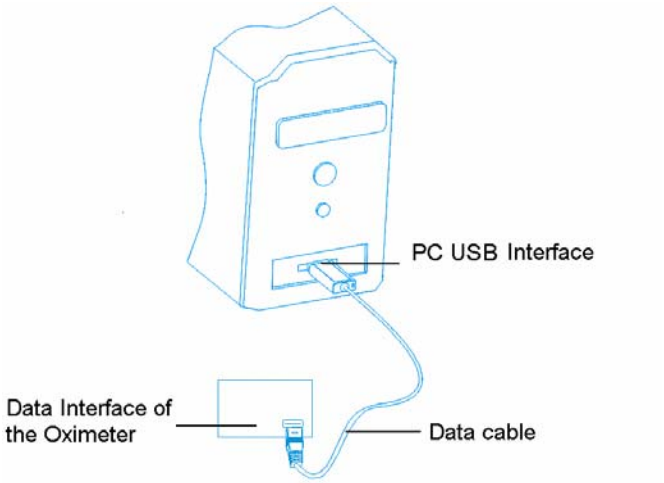


Figure 2-13

Note: when connecting the device at the first time, the system prompts that "Found New Hardware. Your new hardware is installed and ready to use." on the lower right， as shown in Figure 2-14, it means that USB Driver is installed successfully.

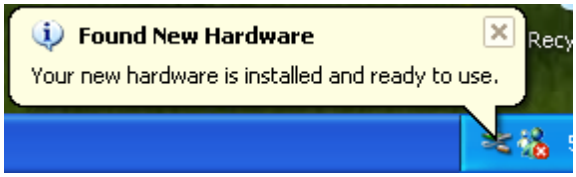


Figure 2-14

2.5 Oximeter Setting

Let the oximeter stay in the specified mode before uploading data. Refer to the Oximeter User Manual for detailed operation.

3 Operations

3.1 Main Menu

Double-click Oximeter Data Manager icon“ ” on the desktop with the Mouse, then the Oximeter Data Manager runs automatically and the main menu screen displays on the screen, as shown in Figure 3-1.

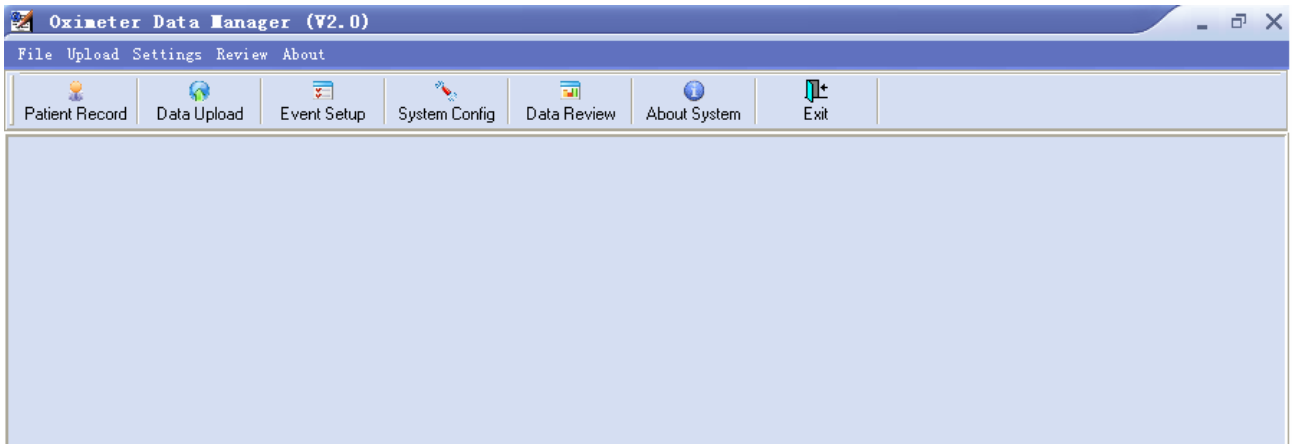


Figure 3-1 Main menu

Menu bar:

- **Menu instructions**

Menu	Pull-down Menu	Function description
File	Patient record	perform patient record management, patient record creating, modifying and deleting can be done
Upload	Data upload	perform the data upload
Settings	Event setup	set event definition
	System configuration	set system configuration
Review	Data review	view data and print report etc.
About	About system	view software information

- **Operation instructions**

  Select the function item from the pull-down menu for its relevant operation interface.

Tool bar:

- Tool bar is the shortcut of Menu Bar. User can do the operation through Menu Bar or Tool Bar.

Click “Exit” to exit from Oximeter Data Manager.

3.2 Patient Record

On main menu screen click on “Patient Record” button, then pops up Patient Record window on the desktop.

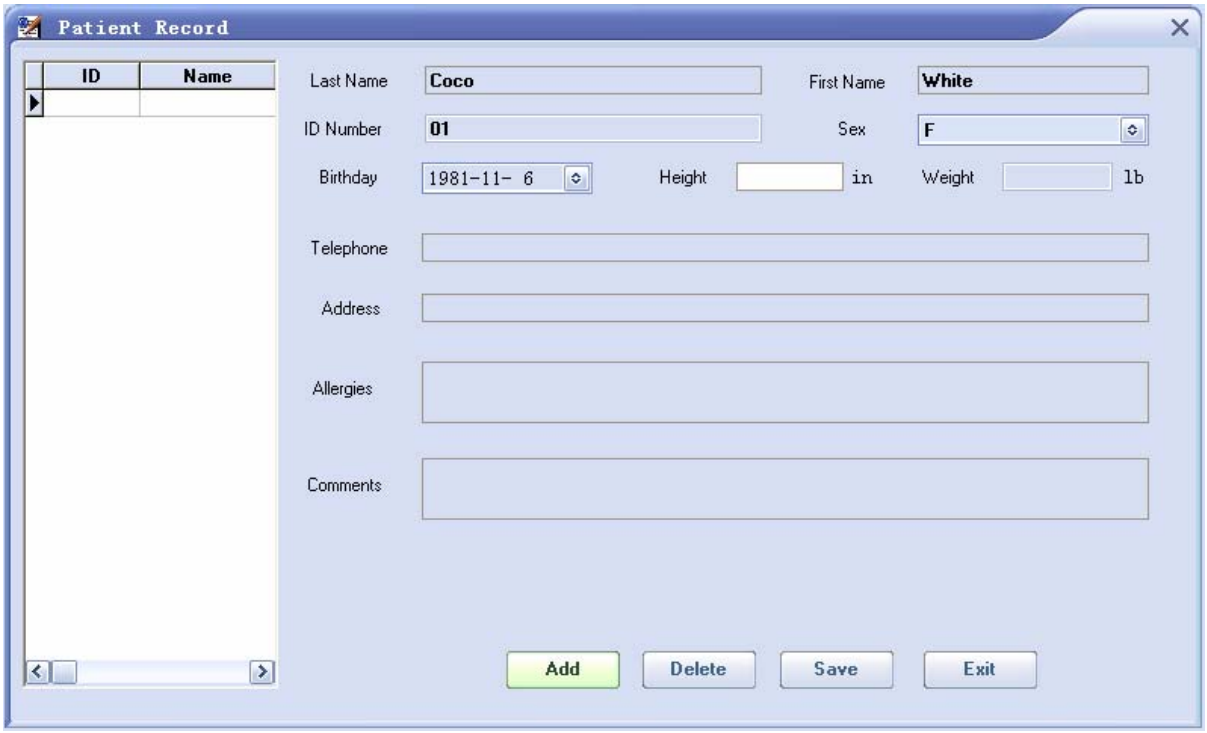


Figure 3-2 Patient Record Screen

Screen Description:

On patient record window, adding new archive, modification and deleting archive can be performed. On the left of screen is name list; on the right of screen is detailed information of the selected archive, and entering personal data is operated in this area.

- **Last Name:** display or enter patient’s last name; the length of last name is less than 15bytes.
- **First Name:** display or enter patient’s first name; the length of first name is less than 15bytes.
- **ID:** detecting number; display or enter detecting number; the length of ID is less than 6 bytes.
- **Sex:** click on “▼” to choose Male/Female in submenu.
- **Birthday:** patient’s birthday; display or enter patient’s birthday. You can click on “▼” to choose birthday in its submenu, or click year value and use keyboard to enter birthday. The operation of Month and Day set are the same with Year set.
- **Height:** patient’s height; display or enter patient’s height.
- **Weight:** patient’s weight; display or enter patient’s weight.
- **Telephone:** patient’s telephone number; the length of phone number is less than 25 bytes.
- **Address:** patient’s address; length of address is less than 60 bytes.
- **Allergies:** allergic symptom description of patient after using the oximeter; if no allergies appear, just enter “No”; length of words is less than 100 bytes.
- **Comments:** Description of diagnostic result; length of words is less than 100 bytes.

Functional button:

- **Add:** new file setup button; if user need to add a new file, please click this button and then enter patient’s detailed data in blank.

- ✧ **Delete:** delete the selected file in archive list.
- ✧ **Save:** confirm and save the new file or modification about patient's information.
  Note: ID and Name can not be modified.
- ✧ **Exit:** Exit from Patient Record screen.

3.3 Data Upload

On main menu window click on "Data Upload" button, then springs "Select device type" dialog box on the screen, as shown in Figure 3-3.

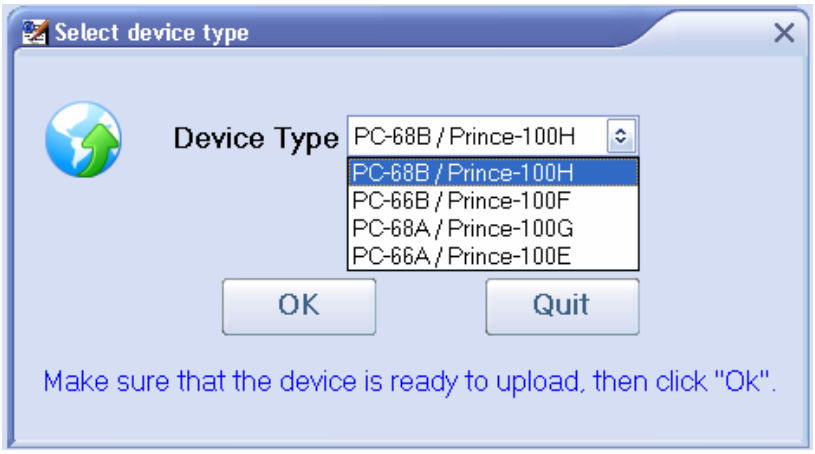


Figure 3-3 Selecting Device Type

Operation Description:

1. Select device type.

- ✧ **Device Type:** Select it according to the type of your unit. (if your selection of Device Type is wrong, it may lead to uploaded data error);

2. After clicking "Ok" button in "Select device type" window, Oximeter Data Manager starts acquiring data from the oximeter, at the same time data acquiring progress will be displayed on the screen, as shown in Figure 3-4.

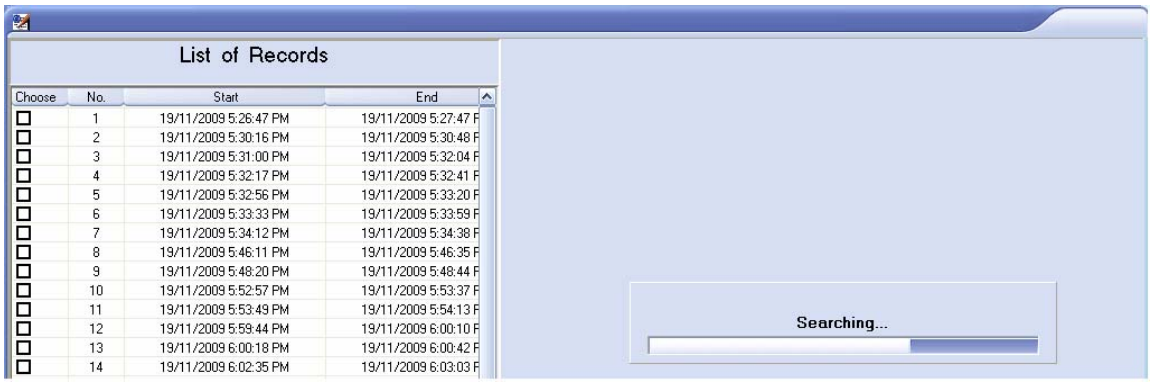


Figure 3-4 Uploading Data

3. Data Upload Main Screen: After finishing upload, the data from monitor will be displayed in list form on the screen, as shown in Figure 3-5A (for PC-66B/Prince-100F), Figure 3-5B (for PC-68A/Prince-100G) or Figure 3-5C (for PC-68B/Prince-100H, PC-66A/Prince-100E).

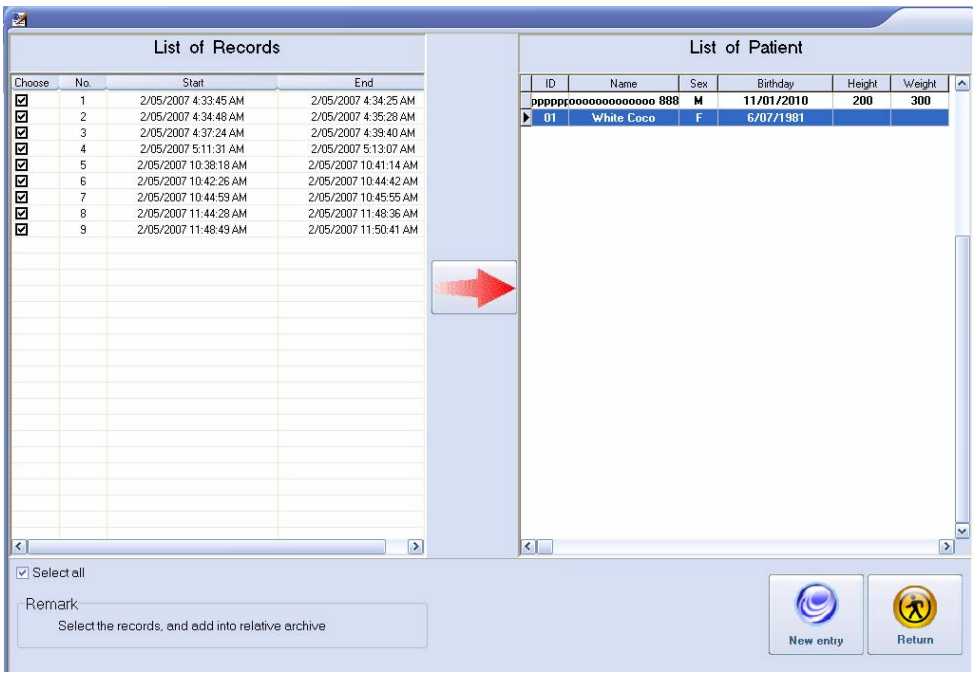


Figure 3-5A Add to archive (for PC-66B/Prince-100F)

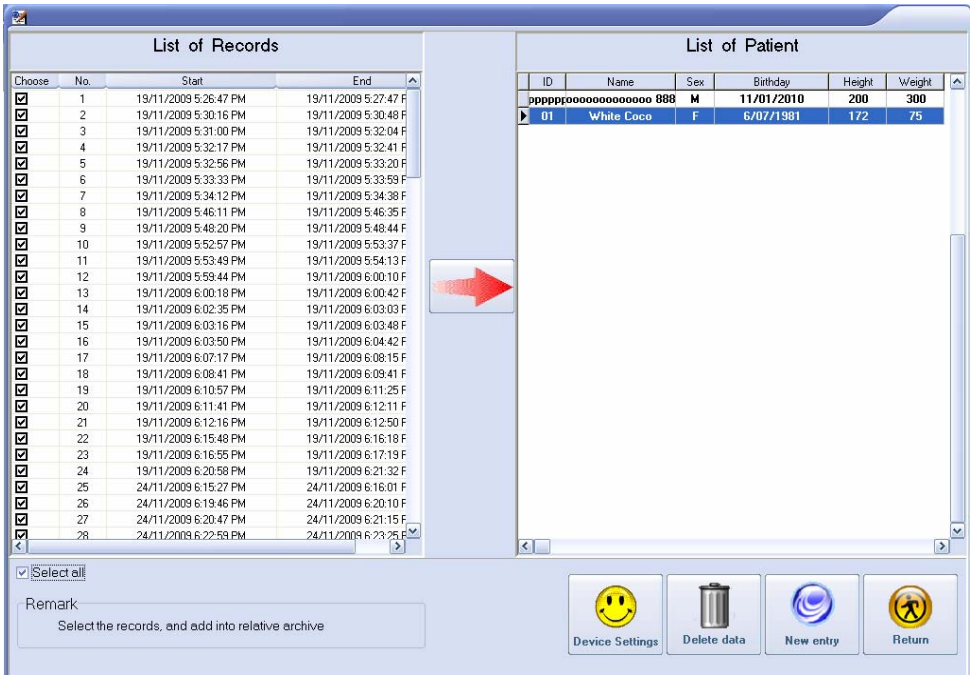


Figure 3-5B Add to archive (for PC-68A/Prince-100G)

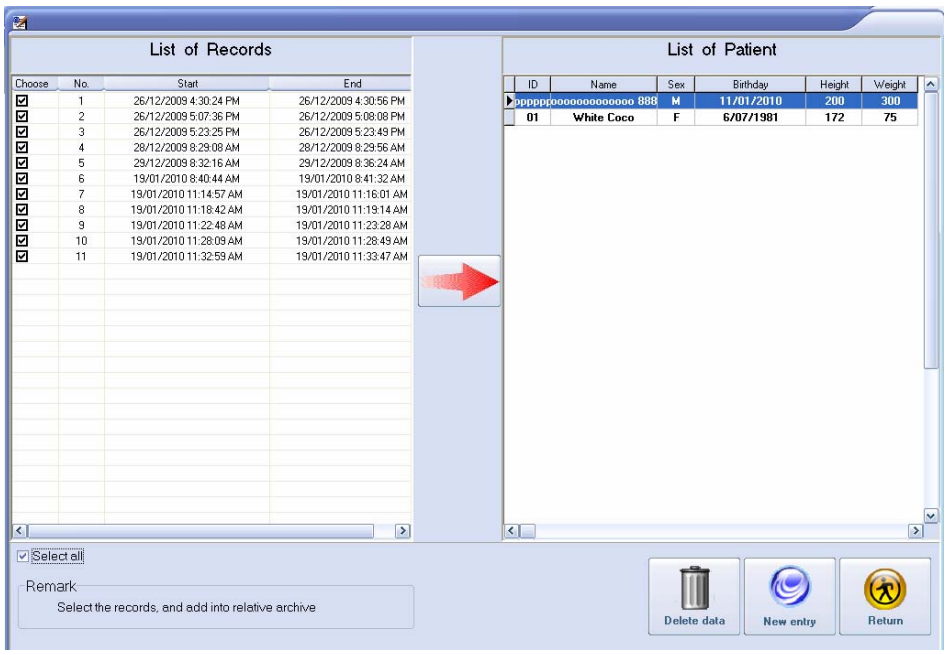


Figure 3-5C Add to archive (for PC-68B/Prince-100H/PC-66A/Prince-100E)

4. Add to archive: select the records in the record list (Pitch on "Select all" check box in the lower left area to review all the records or choose the necessary record in list of record.) and choose the archive in the archive list, and then click " " button to save the selected record in the selected archive. After that, the system info window appears as shown in Figure 3-6.

Figure 3-6 Loading

When this operation is finished successfully, the system will indicate that "Data added successfully!" in dialog box.

Note: If user has not set up a new archive, click on "**New entry** " button to perform entering archive operation. See section 3.2 Patient Record for details.

5. Delete data stored in device: After finishing upload, user can empty the memory of the device for recording new data; on the screen (Figure 3-5B or Figure 3-5C), click " " button, the dialogue box "Are you sure to delete all records in the oximeter?" pops up on the screen. Click "OK" for deleting all records or click "Cancel" for canceling the operation.

6. Set the date/time in PC-68A/Prince-100G: the date/time in PC-68A/Prince-100G should be set via PC software-"Oximeter Data Manager", by doing so PC-68A/Prince-100G can record data in real time in future. Click " " button, the window "Device's Date-Time Settings" displays on the screen, as shown in Figure 3-7.

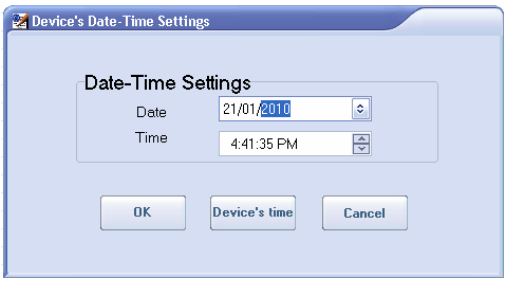


Figure 3-7 Date/Time Settings (PC-68A/Prince-100G)

Click “Device’s time”, the current “Date/Time” in the oximeter are displayed, if they are not according with the real time, please adjust the “Date/Time” via “Date/Time” list boxes and then click “OK” for confirming. Click “Cancel” for canceling the operation.

3.4 Data Review

3.4.1 Trend Review

1.On main menu window, select “Data Review” to enter into data review screen, as shown in Figure 3-8. There are two tabs: Trend Review and Record Management.

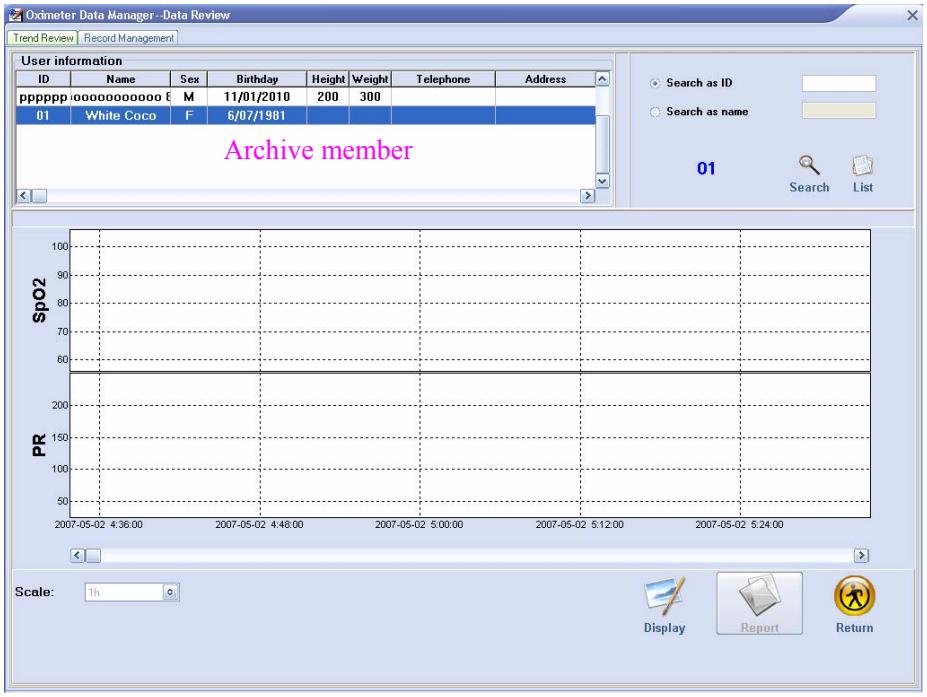


Figure 3-8 Data Review

2. Select a member in archive list, and then click on “Display” button. All the SpO_2 and pulse rate graphic trends of this patient will be displayed in graphic trend area (as shown in Figure 3-9).

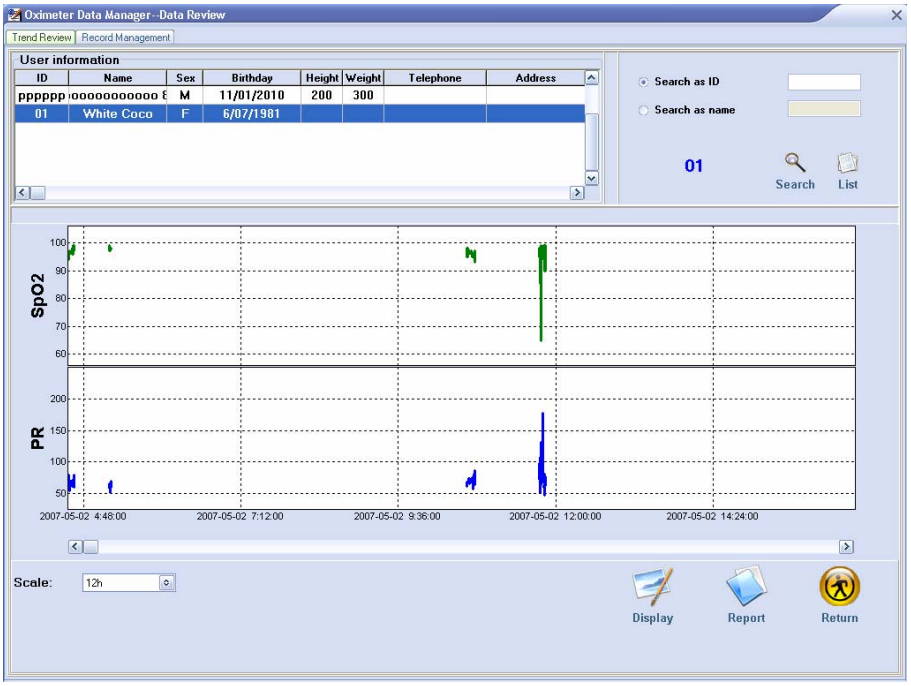


Figure 3-9 Trend Review

3. If the record can not be displayed on one screen, it will be divided into several pages automatically. Please click

" " or " " to turn to another page. The default trend time scale is 12 hours.

4. Click "

" to choose the trend time scale for displaying all the graphic trends.

5. Choose "Record Management" page. Select an archive member, all the records of this patient will be listed in record list. Next, choose a piece of record from record list, all the graphic trends corresponding to this record will be displayed in graphic trend area (as shown in Figure 3-10).

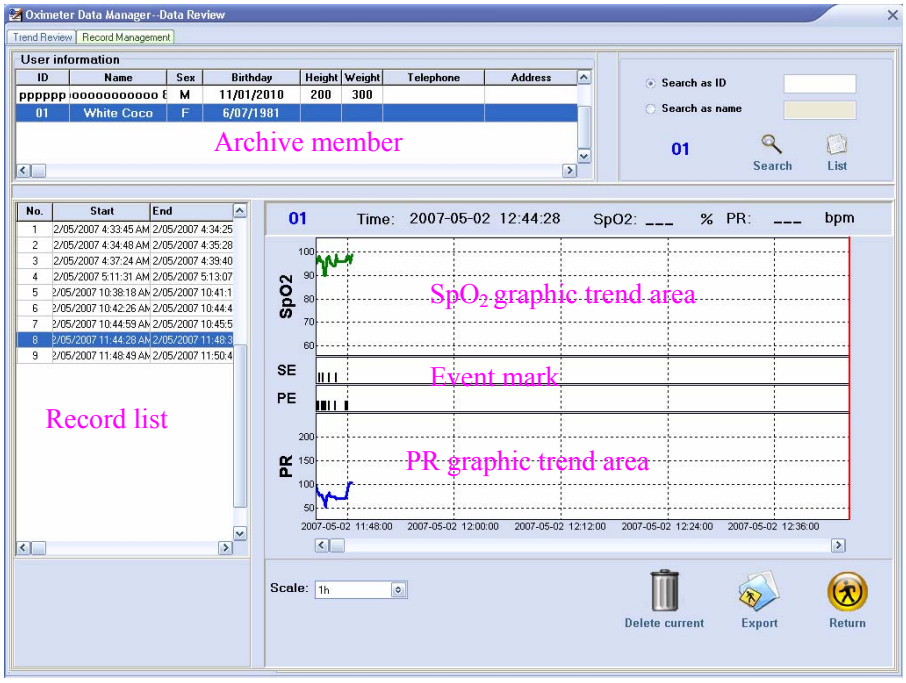


Figure 3-10 Graphic Trend of a Piece of Record

Functional button:

- ✧ **Scale**

: set the trend time scale for display all the graphic trends; options: 15 min/screen, 30min/screen, 1h/screen, 3h/screen, 6h/screen, 12h/screen and 24 h/screen; the default is 12 hours per screen.
- ✧ **:** turn to previous page/next page.
- ✧ **Search :** enter query condition for searching patient's archive;
- ✧ **Delete current:** delete current selected record in record list;
- ✧ **Export:** export the current record to a data file. The file name will be "XXX.cvs" which is a plain text document, and can be opened by software such as "EXCEL" or "NOTEPAD". See Figure 3-11 for exported sample file.

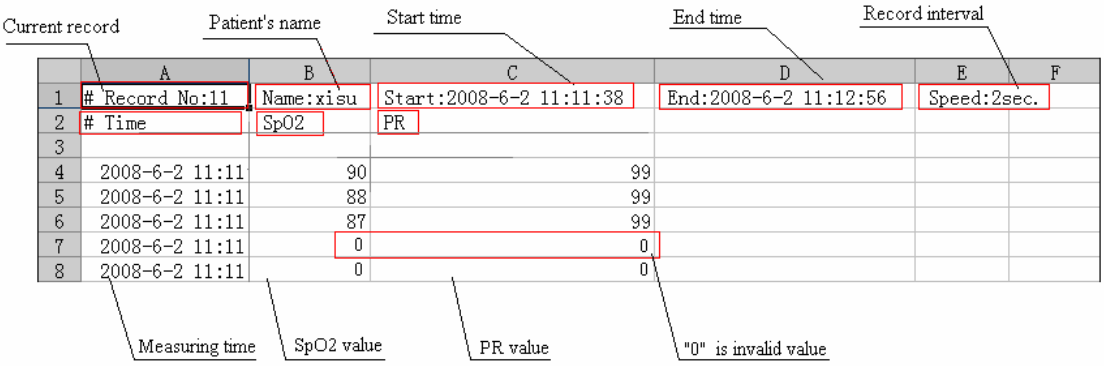


Figure 3-11 Exported Sample File

- **Display:** display graphic trend;
- **Report:** output report of data visualization.
- **Exit:** return to main menu screen.

Operation instructions for reviewing graphic trend

On Graphic Trend of a Piece of Record, choose a piece of record from record list, all the graphic trends corresponding to this record will be displayed in graphic trend area and a red staff line on the left will occur in the heart rate trend graph area as well. Shift mouse and click any dot in trend curve can move the stuff line to scale. Its corresponding record including measuring time, SpO_2 value and PR value shows above the trend review window. Adjust "Scale" i.e. trend time for better review.

If the record can not be displayed on one screen, it will be divided into several pages automatically. Please click "" or "" to turn to another page.

Event mark

If SpO_2 or pulse rate value exceeds event triggering condition, there will be a mark " ▌ " made in SE area or PE area.

3.4.2 Report

On data review window, choose a piece of record in record list firstly, and then click "**Report**" button to open report window (as shown in Figure 3-12).

Figure 3-12

- **Report Option**

Comprehensive Report: print SpO_2 and pulse rate statistical analysis and graphic trends corresponding to this record.

Strip chart Report: print all the graphic trends corresponding to this record.

Summary Report: print all the event information and SpO_2 and pulse rate distribution chart corresponding to this record.

%Times Text Report: print the percentage of duration over the total measuring time, during which, the predefined range of SpO_2 or PR value occured. The occurrence of SpO_2 or PR value within the predefined range will be printed out accordingly.

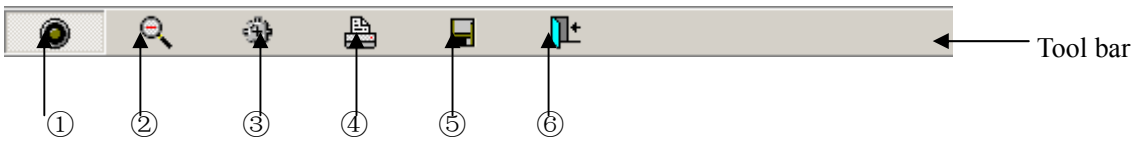
Desaturation Report: print all the SpO_2 event information.

✧ **Preview**

Click on "Preview" to preview the report. The samples of **Comprehensive Report(Figure 3-13), Strip chart Report(Figure 3-14), Summary Report(Figure 3-15), %Times Text Report(Figure 3-16)** and **Desaturation Report(Figure 3-17)** are shown below. You can print report via preview screen by clicking on the printing icon.

Operations:

On Preview display window, there is a tool bar above the report. The function of each button will be defined below.



① **Actual Size:** Preview the report in actual size;

② **Best fit:** full screen display the report in proper proportion;

③ **Print Setup:** select the printer type, paper size and print quality etc.

④ **Print:** print the current report displayed;

⑤ **Save:** save the report in picture format;

⑥ **Close:** close the current preview.

Report Explanation

1. "SpO_2 at (Time)": it indicates the distribution chart of SpO_2 value (by percentage of total measuring time). From the table in Figure 3-15, we can get the information below: In entire measuring time, all the SpO_2 values are less than 100%.
2. "SpO_2 at (Events)": it indicates the number of events occurred at the given range of SpO_2 value.

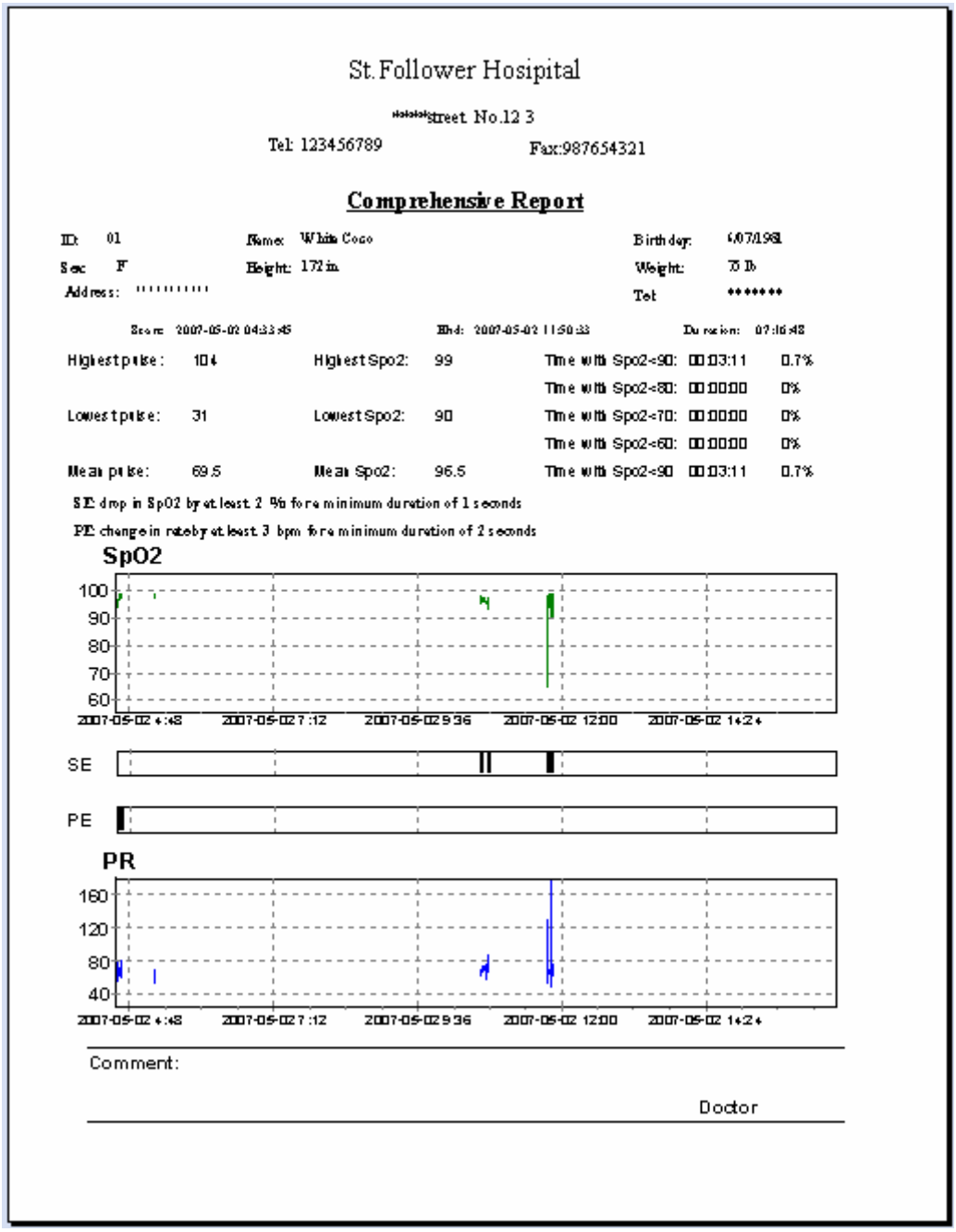


Figure 3-13 Comprehensive Report

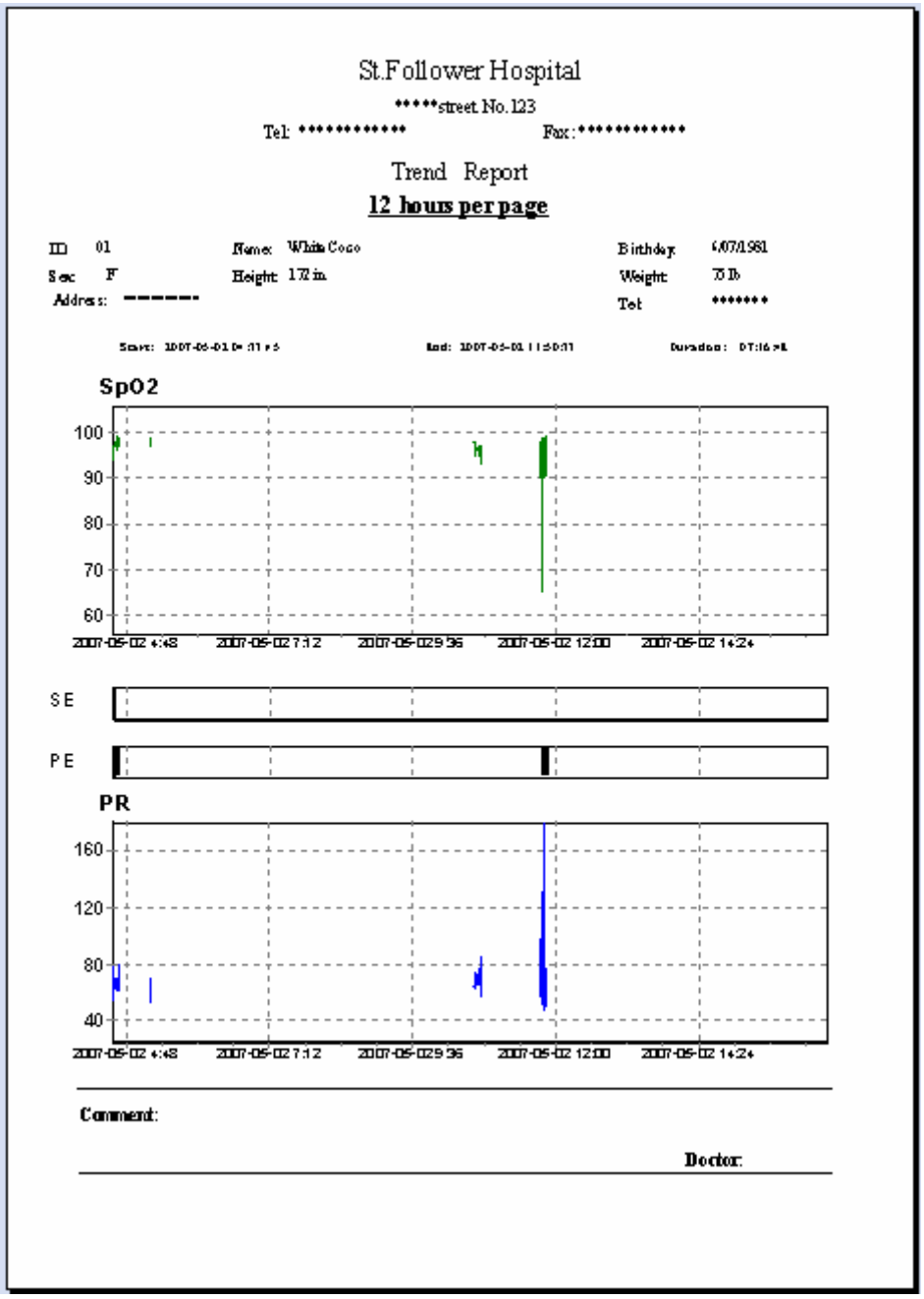
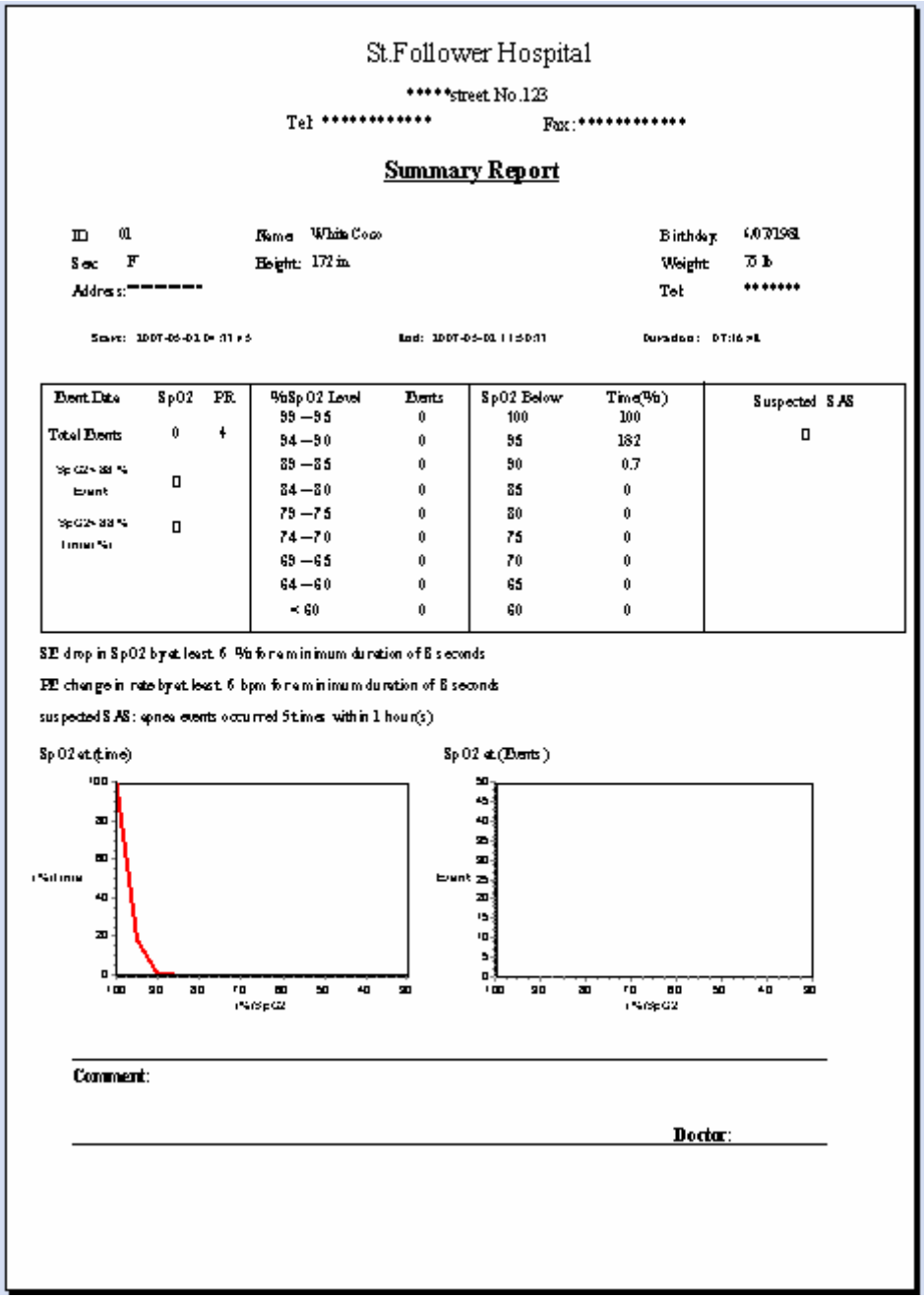


Figure 3-14 Strip Chart Prport



St.Follower Hospital

****street No.123

Tel: ********** Fax:**********

Summary Report

ID 01 Name: White Coco Birthday: 6/07/1981

Sex: F Height: 172 in Weight: 75 lb

Address:******** Tel: *******

Start: 2007-06-01 0: 01 : 5 End: 2007-06-01 11:50:01 Duration: 07:16:56

Event Data	Sp02	PR	%tSp 02 Level	Events	Sp02 Below	Time(%t)	Suspected SAS
Total Events	0	4	99 —95	0	100	100	☐
Sp 02< 88 % Event	☐		94 —90	0	95	182	
Sp 02< 88 % Time(%)	☐		89 —85	0	90	0.7	
			84 —80	0	85	0	
			79 —75	0	80	0	
			74 —70	0	75	0	
			69 —65	0	70	0	
			64 —60	0	65	0	
			< 60	0	60	0	

SE: drop in Sp02 by at least 6 %t for a minimum duration of 8 seconds

PE: change in rate by at least 6 bpm for a minimum duration of 8 seconds

suspected SAS: apnea events occurred 5 times within 1 hour(s)

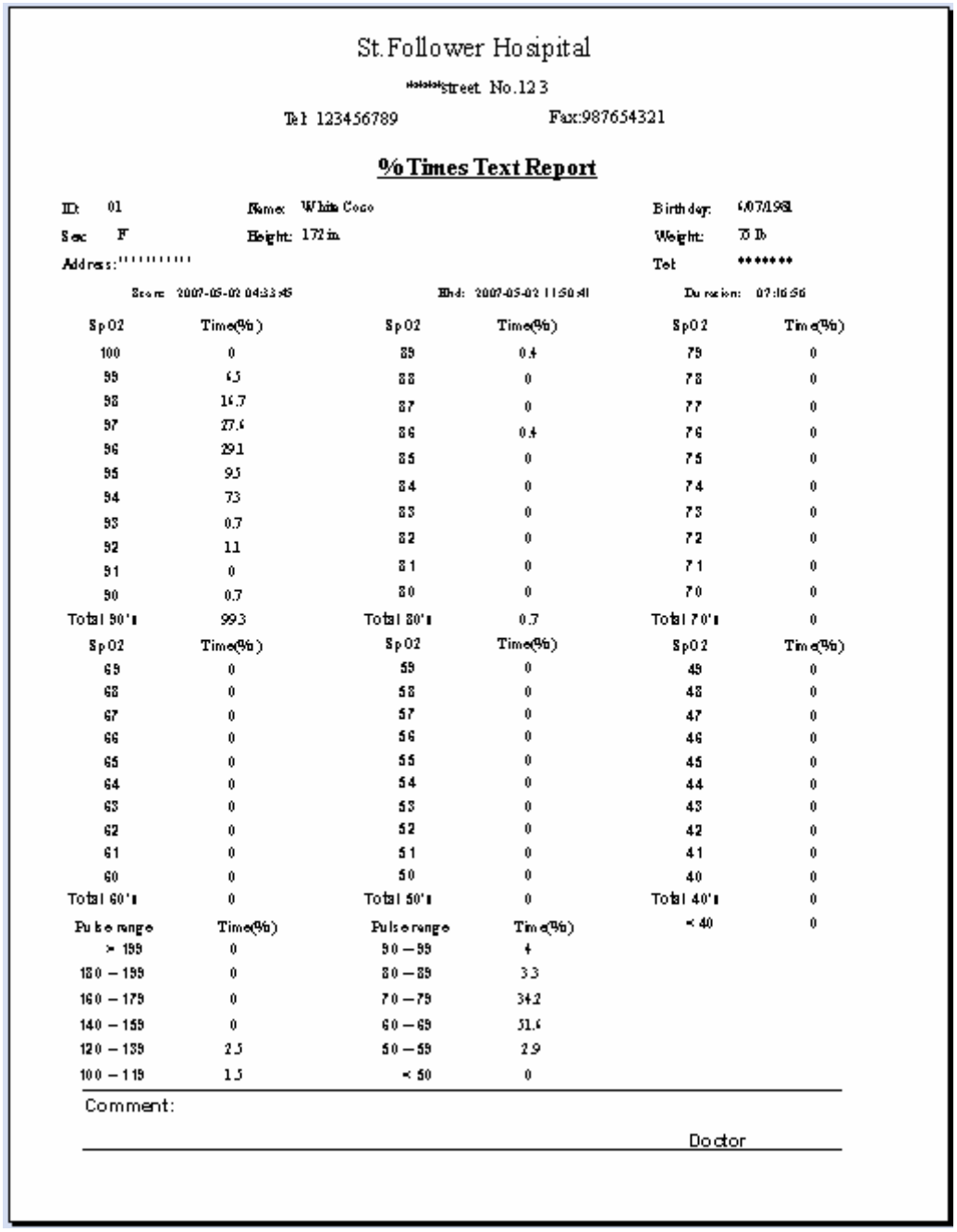
Sp 02 at(time)

Sp 02 at (Events)

Comment:

Doctor:

Figure 3-15 Summary Report



St.Follower Hosipital

******street No.123

Tel 123456789 Fax:987654321

%Times Text Report

ID: 01 Name: White Coco Birthday: 6/07/1981

Sex: F Height: 172in Weight: 70 lb

Address:'''''''''''' Tel: *******

Start: 2007-05-02 04:33:45 End: 2007-05-02 11:50:41 Duration: 07:16:56

SpO2	Time(%)	SpO2	Time(%)	SpO2	Time(%)
100	0	89	0.4	79	0
99	6.5	88	0	78	0
98	16.7	87	0	77	0
97	27.6	86	0.4	76	0
96	29.1	85	0	75	0
95	9.5	84	0	74	0
94	7.3	83	0	73	0
93	0.7	82	0	72	0
92	1.1	81	0	71	0
91	0	80	0	70	0
90	0.7				
Total 90'+	99.3	Total 80'+	0.7	Total 70'+	0

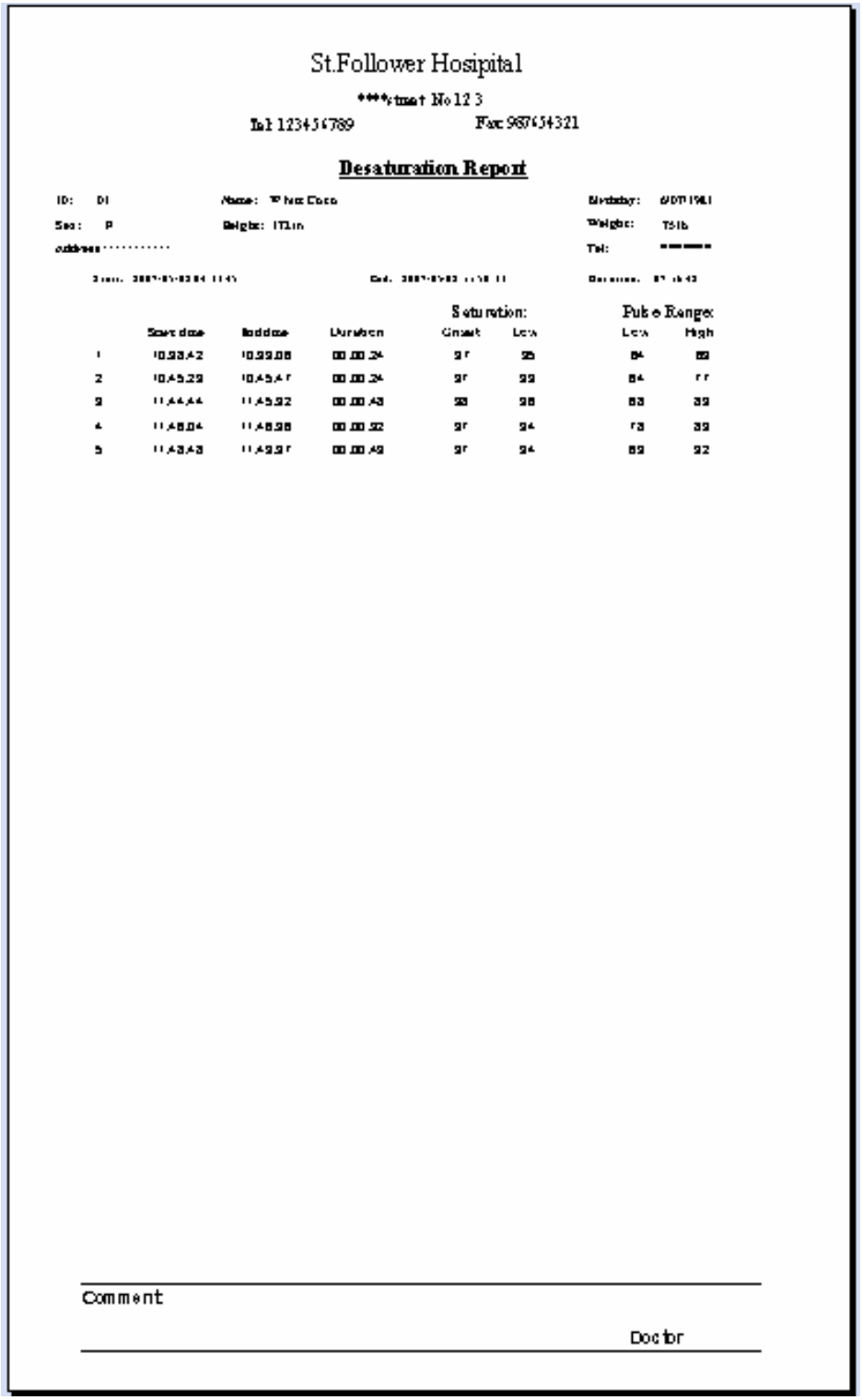
SpO2	Time(%)	SpO2	Time(%)	SpO2	Time(%)
69	0	59	0	49	0
68	0	58	0	48	0
67	0	57	0	47	0
66	0	56	0	46	0
65	0	55	0	45	0
64	0	54	0	44	0
63	0	53	0	43	0
62	0	52	0	42	0
61	0	51	0	41	0
60	0	50	0	40	0
Total 60'+	0	Total 50'+	0	Total 40'+	0

Pulse range	Time(%)	Pulse range	Time(%)	< 40	0
> 199	0	90 — 99	4		
180 — 199	0	80 — 89	3.3		
160 — 179	0	70 — 79	34.2		
140 — 159	0	60 — 69	51.6		
120 — 139	2.5	50 — 59	2.9		
100 — 119	1.5	< 50	0		

Comment:

Doctor

Figure 3-16 %Times Text Report



St.Follower Hosipital

****street No 12 3

Tel: 123456789 Fax:987654321

Desaturation Report

ID: 01 Name: **** Doe

Sex: F Height: 171cm Weight: 75lb

address:..... Tel: -------

Start: 2007-05-03 04:14:43 End: 2007-05-03 11:58:11 Duration: 07:43:28

	Start time	End time	Duration	Saturation: Onset	Level	Pulse Range: Low	High
1	10:53:42	10:53:58	00:00:16	97	95	84	89
2	10:45:29	10:45:47	00:00:18	97	93	84	87
3	11:44:44	11:45:02	00:00:18	98	96	88	89
4	11:48:04	11:48:36	00:00:32	97	94	78	89
5	11:43:43	11:43:57	00:00:14	97	94	89	92

Comment

Doctor

Figure 3-17 Desaturation Report

3.5 Settings

3.5.1 Event setup

On main menu window, select “Settings” to enter into Settings screen. There are four tabs, click on the tab to shift page to its relevant page.

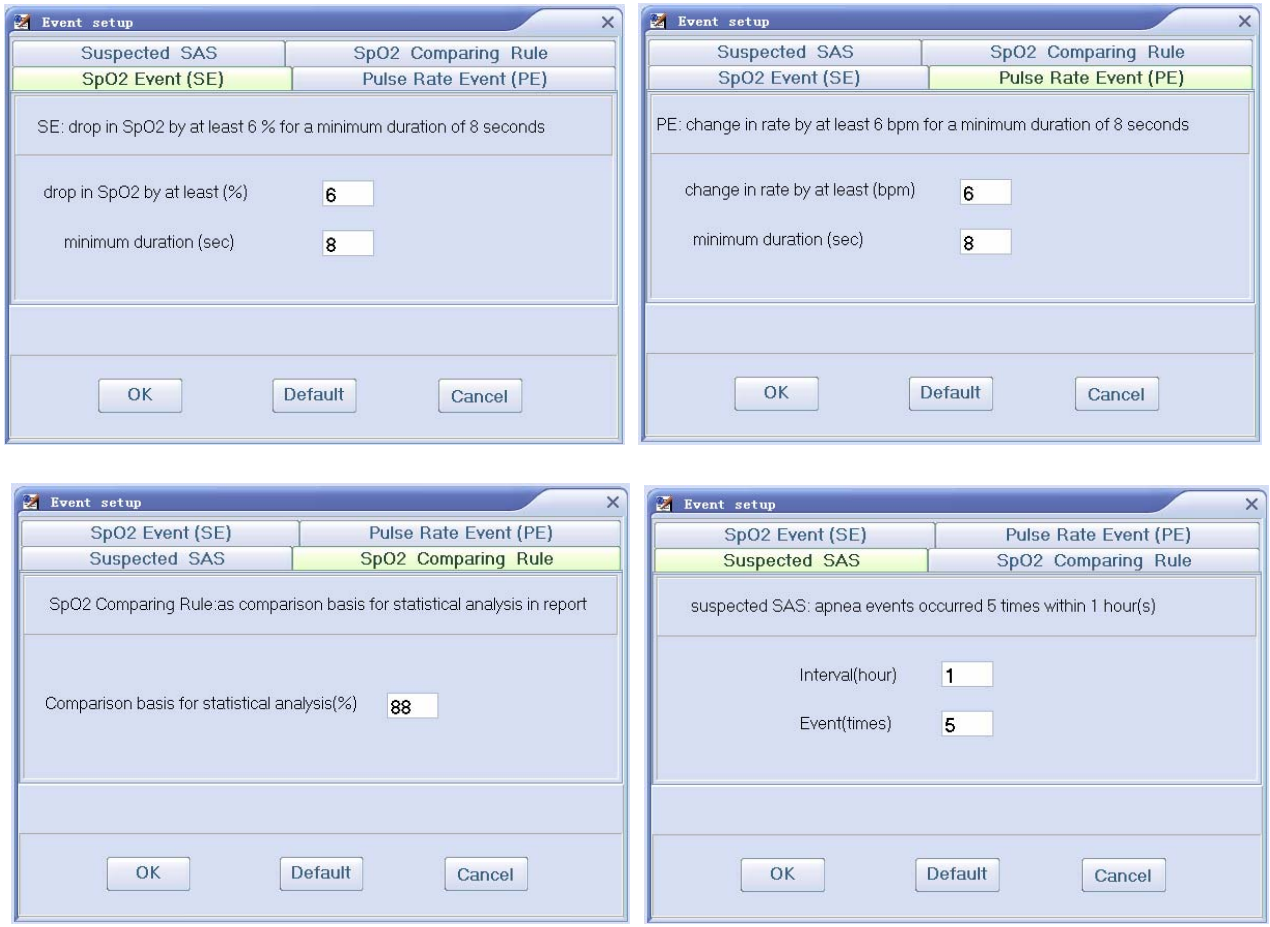


Figure 3-15 Event Setup

SpO_2 Event (SE)

If the SpO_2 value exceeds the preset “drop in SpO_2 by at least (%)” and this status lasts not less than the preset “minimum duration (sec)”, it will be recorded as an event. For example, set “drop in SpO_2 by at least (%)” as “6” and set minimum duration as “8”, when drop in SpO_2 by at least 6bpm for a minimum duration of 8 seconds, SpO_2 event will be triggered and recorded as a SpO_2 event.

Pulse Rate Event

If the PR value exceeds the preset “change in rate by at least (bpm)” and this status lasts not less than the preset “minimum duration (sec)”, it will be recorded as an event. For example, set “change in rate by at least (bpm)” as “6” and set minimum duration as “8”, when change in PR rate by at least 6bpm for a minimum duration of 8 seconds, PR event will be triggered and recorded as a PR event.

Suspected SAS (Sleep Apnea Syndrome)

If not less than the preset “Event (times)” occurred within the preset “Interval (hour)”, it will be marked as a suspected SAS. For example, set “Interval (hour)” as “1” hour and set “Event (times)” as “5” times, when the SpO_2 events are occurred 5 times or more within 1 hour, the patients may be considered to suffer the SAS and this stats will be marked with suspected SAS.

SpO_2 Comparing Rule

User can define a SpO_2 value as comparison basis for statistical analysis according to need. For example, if you set "Comparison basis for statistical analysis (%)" as "88", refer to the report (see Figure 3-13), we can get the the number of SpO_2 values and the SpO_2 values below 88% in measuring time.

3.5.2 System Configuration

On main menu window, select "System Configuration" to enter into System Configuration screen. There are two tabs, click on the tab to shift page to its relevant page.

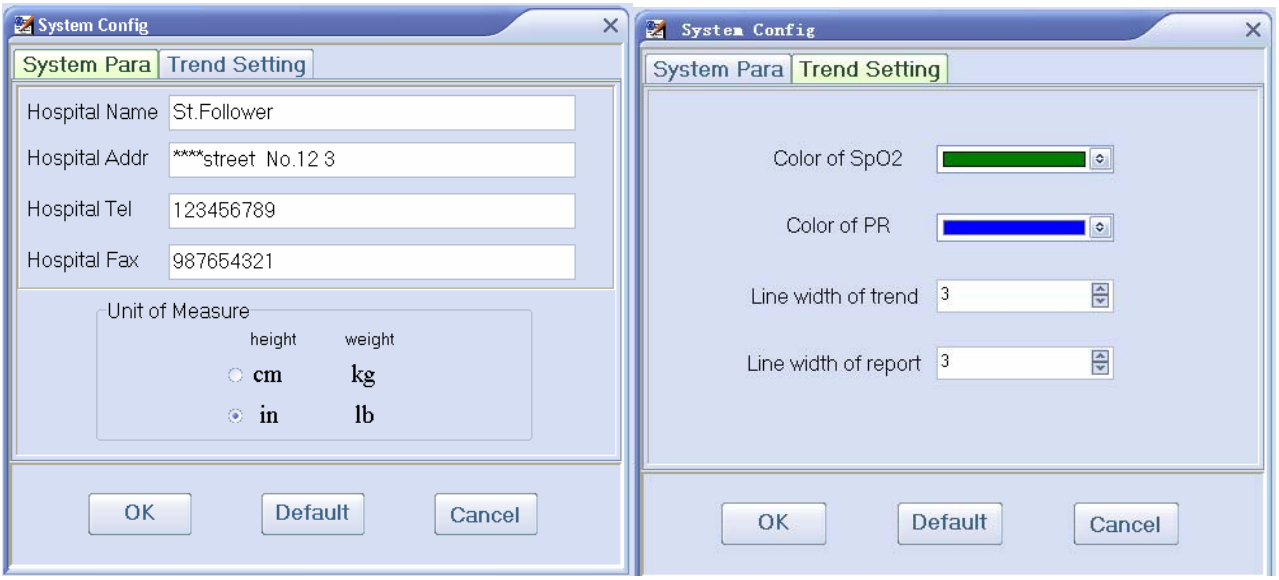


Figure 3-16 System Configuration

✧ **System Paramter**

- **Hopital information:** enter into hospital name, address, telephone and fax.
- **Unit of Measure:** set the units of height and weight:

  "in and lb." or "cm and kg"

  Unit conversion: 1 cm = 0.39in 1kg = 2.2 lb.

✧ **Trend Setting**

- **Color of SpO_2:** for setting the color of SpO_2 trend curve (click "▼" and choose the color);
- **Color of PR:** for setting the color of PR trend curve;
- **Line width of trend:** for setting the line width of SpO_2 and PR trend curves displayed in the graphic trend area;
- **Line width of report:** for setting the line width of SpO_2 and PR trend curves on the report.

Error Codes

Error Codes	Possible Causes	Solutions
Connect database error! Please run as administrators.	● Limited authentication for user.	● Deselect "Use User Account Control (UAC) to help protect your computer" when logging on the computer. Refer to Section 2.3.2 in this manual for detailed operation.
Please set the display resolution of the screen as 1024 x 768.	● Your computer's display resolution doesn't meet the application software requirement.	● Please set the display resolution of the screen as 1024 x 768, or higher.
Query term error. Please reenter.	● Incorrect or invalid term entered	● Reenter query term.
Please select Archive!	● No archive ● No archive selected	● Please creative a new patient record. ● Select an archive.
Please choose data to add!	● No record selected.	● Select records;
Fail to connect the device, Please try again.	● USB driver not installed or mismatched; ● Your selection of device type is wrong; ● The data cable is not connected well with device; ● The oximeter is not stayed in the specified status; ● USB interface damaged; ● Data cable damaged; ● The oximeter's malfunction;	● Please install USB driver; ● Please choose the device type according to your oximeter; ● Make sure the connection of data cable is well at both side; ● Quit from the menu setting or trend view to the default measuring mode at oximeter side. ● Change a new one; ● Please contact the local dealer; ● Please contact the local dealer;
Com Error (Uploading data timeout and no response)	● The oximeter is not stayed in the specified status; ● The data cable is not connected well; ● The oximeter's malfunction;	● Make sure the connection of data cable is well at both side; ● Quit from the menu setting or trend view to the default measuring mode at oximeter side. ● Please contact the local dealer;
Can not find COM port, please install COM port!	● The data cable is not connected well with device; ● USB driver not installed; ● The oximeter's malfunction;	● Make sure the connection of data cable is well at both side; ● Please install USB driver; ● Please contact the local dealer;